Federally financed R&D expenditures at federally funded research and development centers, by federal agency and FFRDC: FY 2019

(Dollars in thousands)

	All federal R&D								
FFRDC	expenditures	DOD	DOE	HHS	DHS	DOT	NASA	NSF	Other
All FFRDCs	22,338,855	5,039,345	11,417,801	1,041,189	511,475	200,993	2,889,883	288,256	949,913
University-administered FFRDCs	6,796,696	1,138,883	2,400,506	35,031	101,220	39,921	2,729,966	281,425	69,744
Ames Laboratory	33,211	0	33,211	0	0	0	0	0	0
Argonne National Laboratory	787,513	24,726	700,782	5,059	23,965	8,311	356	2,487	21,827
Fermi National Accelerator Laboratory	333,460	583	332,747	0	0	0	16	114	0
Jet Propulsion Laboratory	2,709,063	0	0	0	0	0	2,709,063	0	0
Lawrence Berkeley National Laboratory	807,967	9,147	764,465	25,297	1,404	596	3,306	0	3,752
Lincoln Laboratory	1,084,953	1,005,971	4,007	0	32,220	25,978	5,377	0	11,400
National Center for Atmospheric Research	187,615	6,312	4,406	0	0	4,628	10,158	137,599	24,512
National Radio Astronomy Observatory	99,881	87	0	0	0	0	439	99,355	0
National Solar Observatory	15,892	0	0	0	0	0	586	15,306	0
NSF's National Optical-Infrared Astronomy Research Laboratory (NSF's NOIRLab)	28,760	18	3,372	0	0	0	211	25,159	0
Princeton Plasma Physics Laboratory	91,119	470	90,186	0	0	0	430	24	9
SLAC National Accelerator Laboratory	352,527	1,630	342,247	3,730	402	0	24	1,348	3,146
Software Engineering Institute	140,940	89,912	1,348	945	43,229	408	0	0	5,098
Thomas Jefferson National Accelerator Facility	123,795	27	123,735	0	0	0	0	33	0
Nonprofit-administered FFRDCs	6,891,730	2,523,426	2,919,915	242,622	290,465	159,165	97,528	6,831	651,778
Aerospace Federally Funded Research and Development Center	1,062,804	952,908	11,578	82	2,897	854	56,602	202	37,681
Arroyo Center	37,956	37,956	0	0	0	0	0	0	0
Brookhaven National Laboratory	561,030	706	528,289	3,127	1,157	0	9,403	0	18,348
Center for Advanced Aviation System Development	152,539	0	0	0	0	152,539	0	0	0
Center for Communications and Computing	68,371	68,371	0	0	0	0	0	0	0
Center for Enterprise Modernization	173,127	0	0	0	0	0	429	0	172,698
Center for Naval Analyses	96,697	96,697	0	0	0	0	0	0	0
Center for Nuclear Waste Regulatory Analyses	6,340	0	104	0	0	69	3	0	6,164
CMS Alliance to Modernize Healthcare	213,369	0	0	213,369	0	0	0	0	0
Homeland Security Operational Analysis Center	54,751	0	0	0	54,751	0	0	0	0
Homeland Security Systems Engineering and Development Institute	115,813	0	0	0	115,813	0	0	0	0
Judiciary Engineering and Modernization Center	7,331	0	0	0	0	0	0	0	7,331
National Biodefense Analysis and Countermeasures Center	39,003	0	0	841	25,001	0	0	0	13,161
National Cybersecurity Center of Excellence	22,205	0	0	0	0	0	0	0	22,205

TABLE 5

Federally financed R&D expenditures at federally funded research and development centers, by federal agency and FFRDC: FY 2019

(Dollars in thousands)

	All federal R&D								
FFRDC	expenditures	DOD	DOE	HHS	DHS	DOT	NASA	NSF	Other
National Defense Research Institute	67,647	66,494	0	0	0	0	0	0	1,153
National Renewable Energy Laboratory	405,923	8,818	383,571	0	616	862	255	0	11,801
National Security Engineering Center	1,123,616	905,689	221	0	0	0	120	0	217,586
Oak Ridge National Laboratory	1,454,122	36,811	1,251,873	4,948	13,447	4,841	28,592	0	113,610
Pacific Northwest National Laboratory	993,733	133,960	744,015	18,924	68,145	0	1,718	830	26,141
Project Air Force	48,325	48,325	0	0	0	0	0	0	0
Science and Technology Policy Institute	9,080	336	196	1,331	0	0	375	5,799	1,043
Systems and Analyses Center	177,948	166,355	68	0	8,638	0	31	0	2,856
Industry-administered FFRDCs	8,650,429	1,377,036	6,097,380	763,536	119,790	1,907	62,389	0	228,391
Frederick National Laboratory for Cancer Research	751,452	1,009	0	750,442	0	0	0	0	1
Idaho National Laboratory	463,588	60,374	336,172	0	39,110	5	11,767	0	16,160
Lawrence Livermore National Laboratory	1,480,978	252,990	1,185,857	5,526	24,157	0	1,316	0	11,132
Los Alamos National Laboratory	2,440,514	79,753	2,222,251	6,724	8,507	0	46,393	0	76,886
Sandia National Laboratories	3,340,658	956,375	2,209,348	844	45,186	1,902	2,910	0	124,093
Savannah River National Laboratory	173,239	26,535	143,752	0	2,830	0	3	0	119

DHS = Department of Homeland Security; DOD = Department of Defense; DOE = Department of Energy; DOT = Department of Transportation; FFRDC = federally funded research and development center; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation.

Source(s)

National Center for Science and Engineering Statistics, FFRDC Research and Development Survey, FY 2019.